Full HD gaming monitor

- Evnia 3000
- 24 (23.8" / 60.5 cm diag.)
- 1920 x 1080 (Full HD)

24M1N3200Z/89

Take gaming to the next level

This Philips gaming monitor is a great all-around display for intense action-packed PC games. AMD FreeSync, 165Hz and 1ms deliver smooth gameplay. Virtually frameless display with Ultra Wide-Color enhances immersive visual experience.

Benefits

The gaming advantage is yours

- AMD FreeSync™ Premium; tear free, stutter free, fluid gaming
- 165Hz refresh rates for ultra-smooth, brilliant images
- 1ms (MPRT) fast response for crisp image and smooth gameplay
- Low input lag reduces time delay between devices to monitor
- SmartImage game mode optimized for gamers

Immersive visuals

- IPS LED wide view technology for image and color accuracy
- 16:9 Full HD display for crisp detailed images

- SmartContrast for rich black details
- Ultra Wide-Color wider range of colors for a vivid picture

Features designed for you

- LowBlue mode and Flicker-free easy-on-the eyes viewing
- SmartErgoBase enables people-friendly ergonomic adjustments
- EasySelect menu toggle key for quick on-screen menu access

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Features

AMD FreeSync™ Premium

AMD FreeSync™ OFF (simulation)   AMD FreeSync™ ON

Gaming shouldn't be a choice between choppy gameplay or broken frames. AMD FreeSync™ Premium equips serious gamers with a fluid, tear-free gameplay experience at peak performance. There are no compromises, game confidently with a high refresh rate, low framerate compensation, and low latency.
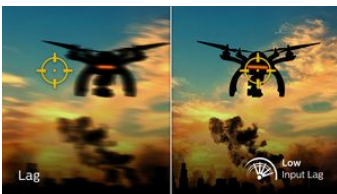
165Hz Gaming

You play intense, competitive gaming. You demand display with lag free, ultra-smooth images. This Philips display redraws the screen image up-to 165 times per second, effectively faster than a standard display. A lower frame rate can make enemies appear to jump from spot to spot on the screen, making them difficult targets to hit. With 165Hz frame rate, you get those critical missing images on the screen which shows enemy movement in ultra-smooth motion so you can easily target them. With ultra-low input lag and no screen tearing, this Philips display is your perfect gaming partner

1ms MPRT fast response

MPRT (motion picture response time) is more intuitive way to describe the response time, which directly refers the duration from seeing blurry noise to clean and crisp images. Philips gaming monitor with 1 ms MPRT effectively eliminates smearing and motion blur, delivers shaper and precise visuals to enhance gaming experience. Best choice for playing thrilling and twitch-sensitive games.

Low Input Lag

Input lag is the amount of time that elapses between performing an action with connected devices and seeing the result on screen. Low input lag reduces the time delay between entering a command from your devices to monitor, greatly improve on playing twitch-sensitive video games, particularly important to whom plays fast-paced, competitive games.

SmartImage Game mode

The new Philips gaming display has quick access OSD fine tuned for gamers, offering you multiple options. "FPS" mode (First person shooting) improves dark themes in games, allowing you to see hidden objects in dark areas. "Racing" mode adapts display with fastest response time, high color, along with image adjustments. "RTS" mode (Real time strategy) has a special SmartFrame mode which enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal customized settings based on different games, ensuring best performance.

IPS technology

IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

16:9 Full HD display

Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colors expect a true to life picture.

Gaming Monitor

SmartContrast

SmartContrast is a Philips technology that analyzes the contents you are displaying, automatically adjusting colors and controlling backlight intensity to dynamically enhance contrast for the best digital images and videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

Ultra Wide-Color Technology

Ultra Wide-Color Technology delivers a wider spectrum of colors for a more brilliant picture. Ultra Wide-Color wider "color gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring, media entertainment, images, and even productivity more alive and vivid colors from Ultra Wide-Color Technology.

Specifications

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Picture/Display

LCD panel type	IPS technology
Backlight type	W-LED system
Panel Size	23.8 inch / 60.5 cm
Display Screen Coating	Anti-Glare, 3H, Haze 25%
Effective viewing area	527.04 (H) x 296.46 (V)
Aspect ratio	16:9
Maximum resolution	1920 x 1080 @ 165 Hz*
Pixel Density	92.56 PPI
Response time (typical)	4 ms (Gray to Gray)*
MPRT	1 ms
Low Input Lag	Yes
Brightness	250 cd/m²
SmartContrast	Mega Infinity DCR
Contrast ratio (typical)	1100:1
Pixel pitch	0.2745 x 0.2745 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Flicker-free	Yes
Color gamut (min.)	DCI-P3 94.1%*
Color gamut (typical)	NTSC 80.5%*, sRGB 99.9%*, Adobe RGB 90.4%*
Picture enhancement	SmartImage game
Display colors	16.7 M
Scanning Frequency	30 - 200 kHz (H) / 48 - 165 Hz (V)
LowBlue Mode	Yes
EasyRead	Yes
sRGB	Yes
AMD FreeSync™ technology	Premium

Connectivity

Signal Input	HDMI x 2, DisplayPort x1
HDCP	HDCP 2.2 (HDMI / DisplayPort)
Audio (In/Out)	Audio out
Sync Input	Separate Sync

Convenience

User convenience	Power On/Off Menu/OK Input/Up Game Settings/Down SmartImage game/Back
OSD Languages	Brazil Portuguese Czech Dutch English Finnish French German Greek Hungarian Italian Japanese Korean Polish Portuguese Russian Spanish Simplified Chinese Swedish Turkish Traditional Chinese Ukrainian
Other convenience	Kensington lock VESA mount (100x100mm)
Plug & Play Compatibility	DDC/CI Mac OS X sRGB Windows 10 / 8.1 / 8 / 7

Stand

Height adjustment	130 mm
Pivot	-/+ 90 degree
Swivel	-/+ 45 degree
Tilt	-5/20 degree

Power

On mode	24 W (typ.)
Standby mode	0.5 W (typ.)
Off mode	0.3 W (typ.)
Power LED indicator	Operation - White Standby mode- White (blinking)
Power supply	External 100-240VAC, 50-60Hz

Dimensions

Product with stand(max height)	540 x 513 x 213 mm
Product without stand (mm)	540 x 321 x 43 mm
Packaging in mm (WxHxD)	600 x 526 x 164 mm

Weight

Product with stand (kg)	3.70 kg
Product without stand (kg)	2.40 kg
Product with packaging (kg)	5.65 kg

Operating conditions

Temperature range (operation)	0°C to 40 °C
Temperature range (storage)	-20°C to 60 °C

data subject to change
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Relative humidity	20%-80 %
Altitude	Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
MTBF	50,000 (Excluded backlight) hour(s)

Sustainability

Environmental and energy	RoHS
Recyclable packaging material	100 %
Specific Substances	Mercury free PVC / BFR free housing

Compliance and standards

Regulatory Approvals	CB CE Mark FCC Class B ICES-003

Cabinet

Color	Black
Finish	Textured

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.

* The maximum resolution works for either HDMI input or DP input.

* For best output performance, please always ensure that your graphic card is capable of achieving the maximum resolution and refresh rate of this Philips display.

* Response time value equal to SmartResponse

* MPRT is to adjust brightness for blur reduction, so cannot adjust brightness while MPRT is turned on. To reduce motion blur, LED backlight will strobe synchronously with screen refresh, which may cause noticeable brightness change.

* MPRT is gaming-optimized mode. Turn on MPRT may cause noticeable screen flickering. It is recommended to turn off when you are not using the gaming function.

* DCI-P3 Coverage based on CIE1976

* NTSC / sRGB Coverage based on CIE1931

* Adobe RGB Coverage based on CIE1976

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* The monitor may look different from feature images.

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